

POLAND

Director: Prof Dr F. PRZESMYCKI, technical aid: A. BACINSKA

"Epidemic Situation of Poliomyelitis in Poland in 1961"

Warsaw, Przegląd Epidemiologiczny, Vol XVI, No 4, 1962,  
pp369-375.

Abstract/Authors' English summary modified The profound influence on the epidemiology, etiology and clinical picture of poliomyelitis of the introduction of mass immunization with attenuated polio vaccines in 1959 is discussed. Observations on the influence and effect of immunizations with such vaccines on the epidemic situation of poliomyelitis in Poland are reported. 4 tables, 2 diagrams; 5 Polish references.

12/2

SZCZYGIELSKI, Kazimierz

30

POLAND

EULESZA, Aleksandra of the Department of Epidemiology (Zaklad Epidemiologiczny) of the PZH (Panstwowy Zaklad Higieny -- State Institute of Hygiene); Director: Prof Dr F. PRZESMYCKI, Head of the Department: S. KOSTRZEWSKI; J. GOLBA, T. JOPKIEWICZ, W. KACPRZAK, W. KOCIELSKA, K. LIPINSKA, R. LUTYNSKI, J. MAKAREWICZ, S. PEKKA, T. ROKKIEWICZ, W. SOGZEWICA, S. SZCZESNIAK, D. ZOLNIERKONA all of the WSEE (Wojewodzkie Stacje Sanitarne-Epidemiologiczne -- Wojewodztwo Health and Epidemiology Stations); H. BOBROWSKI, A. GECOW, J. GELBER, E. JUBWA, J. KUROCZKIN, J. SYGNATOWICZONA, Z. SZCZERSKA, K. SZCZYGIELSKI, K. SWICOWA, R. WARTSCHA of the Departments of Poliomyelitis Patients (Oddzialy dla Chorych na Poliomyelitie) of the WSEE; H. DOBROWOLSKA of the Department of Virology (Zaklad Wirusologii) of PZH, Director: Prof Dr F. PRZESMYCKI; J. ADAMSKI (Poznan), H. DOBROWOLSKA (Warsaw), J. BOCHENSKA (Lodz), M. KOENIG (Krakow), N. MAKOWER (Wroclaw), F.Z. TAYTSCH (Warsaw) of the PZH; technical aid of A. BAGINSKA of the PZH.

"Safety of Immunization with the Attenuated Polio Virus

1/2

POLAND

Strains Type 1 Chat and Type 3 W Fox''

Warsaw, Przegląd Epidemiologiczny, Vol XVI, No 4, 62, pp 377-388.

Abstract: [Author's English summary modified] An epidemical, clinical and virological analysis of poliomyelitis in Poland was made within 6 weeks after completion of oral immunization with polio virus type 1 Chat and type 3 W Fox. Investigations made in 1959 and 1960 show the complete safety of Koprowski's attenuated oral vaccine type 1 Chat. The strain 3 W Fox is indicated as a pathogenic one and its uncertain safety found by investigations in 1960 has been confirmed. 8 tables; 2 diagrams; 9 references, 2 Polish the rest Western.

12/2

L 01782-67 T JK

ACC NR: AP6035142

(A)

SOURCE CODE: PO/0081/65/019/002/0172/0174

SZYMONSKI, K.; KICZKA, W.; SPETT, J.; and SZCZYGIELSKI, K.; /Szymonski; Kiczka/ 7 2/6  
Clinic of Infectious Diseases, Silesian Academy of Medicine, Bytom (Klinika Chorob  
Zakaznych Sl. AM); /Spett; Szczygielski/ Department of Microbiology, Silesian  
Academy of Medicine, Rokitnica (Zaklad Mikrobiologii Sl. AM)

"Effect of Durabolin in Toxemia from Diphtheria in Guinea Pigs."

Warsaw, Przegląd Epidemiologiczny, Vol 19, No 2, 1965; pp 172-174.

TOPIC TAGS: toxin, bacterial disease, respiratory system disease, disease therapeutics

Abstract: Study on 20 guinea pigs receiving lethal doses of diphtheria toxin;

half of them were then treated with nandrolone phenpropionate 1 mg /kg

subcutaneously daily for three days: treated animals had the average survival

prolonged from 3 to 4.7 days, which is statistically significant at the P=0.02

level. Table. Presented at the 3rd Scientific Assembly of Polish Epidemiologists

and Infectologists, Krakow, 5-6 Oct 64. Orig. art. has: 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 *tdh*

*0921 1532*

SZCZYGIELSKI, Leszek; DYBICKI, Jerzy; BOCHINSKI, Karol; DWORAK,  
Włodzimierz; STAROSCIAK, Tadeusz; MOLESTA, Jadwiga

Notes on the function of the respiratory system following  
extensive bilateral pulmonary resection (in bronchiectasis).  
Gruzlica 30 no.10:965-970 '62.

1. Z II Kliniki Chirurgicznej AM w Gdansku Kierownik: prof.  
dr med. K. Debicki i Sanatorium Przeciwgruzliczego dla  
Młodzieży w Dzierżynie Kierownik: dr med. W. Dworak.  
(BRONCHIECTASIS) (PNEUMONECTOMY)  
(RESPIRATORY FUNCTION TESTS)

NARKIEWICZ, Mirosława; DYBICKI, Jerzy; POJ, Ewa; BARTOSIEWICZ, Tadeusz;  
BOCHINSKI, Karol; SZCZYGIELSKI, Leszek; MOLESZA, Jadwiga;  
DWORAK, Włodzisław

Apropos of the malignancy of so-called bronchial adenomas.  
Gruzlica 32 no.3:243-249 Mr '64.

1. S II Kliniki Chirurgicznej (Kierownik: prof. dr. K. Debicki)  
i z Zakładu Anatomii Patologicznej (kierownik: prof. dr. W.  
Czarnecki [deceased] oraz z Sanatorium Przeciwgruzliczego dla  
Młodzieży w Dzierżynie (Kierownik: dr. W. Dworak).

DYBICKI, Jerzy; BOJ, Ewa; DWORAK, Włodzimierz; SZCZYGIELSKI, Leszek;  
MOLESTA, Jadwiga; BOCHINSKI, Karol

Studies on reactions of the bronchial wall to some types of  
thread used in surgery in dogs. Gruzlica 32 no.10:915-922  
O '64

1. Z II Kliniki Chirurgicznej Akademii Medycznej w Gdansk  
(Kierownik: prof. dr. K. Debieki); z Zakładu Anatomii patologicznej  
Akademii Medycznej w Gdansk (Kierownik: prof. dr. W. Czarnocki);  
1 z Sanatorium Przeciwgruzliczego dla Młodzieży w Dzierżan  
(Kierownik: dr. W. Dworak),

BOJ, Ewa; DYBICKI, Jerzy; DWORAK, Włodzimierz; SZCZYGIELSKI, Leszek;  
MOLESTA, Jadwiga; SZELEZYNSKI, Kazimierz

Studies on the appearance of bronchial fistulae following the excision of tuberculous pulmonary tissues in adolescents and young adults. Pol. przeł chir. 36 no.7:905-916 Je '64.

1. Z Zakładu Anatomii Patologicznej AMG (Kierownik: prof. dr W. Czarnocki) i z II Kliniki Chirurgicznej AMG (Kierownik: prof. dr K. Debicki) i Państw. Sanatorium Przeciwgruzliczego dla Młodzieży w Dzierżynie Kierownik: dr W. Dworak.

SZELEZYNSKI, Kazimierz; SZCZYGIELSKI, Leszak; MACKIEWICZ, Michal

Avian tuberculin sensitivity in patients with active pulmonary tuberculosis. Gruzlica 33 no.9:799-802 S ' 65

1. Z Kliniki Gruzlicy Pluc AM w Gdansk (Kierownik: prof. dr. med. T. Kielarowski) i z Panstwowego Sanatorium Przeciwgruzliczego dla Mlodziezy w Dzierzaznie ( p.o. Dyrektora: lek. med. W. Naruszewicz).

SZCZYGIELSKI, Rafal, mgr inz

Remarks on the suggestion of introducing new symbols into the schemes of signaling arrangements. Przegl kolej elektrotech 11 [i.e. 16] no.3:86-87 Mr '64.

SZCZYGIELSKI, Tadeusz

Application of gibberillin and gibberillinlike substances in agricultural research and farming of the USSR; the Scientific Conference held in Moscow, January 11-13, 1961. Postepy nauk roln 8 no.5: 139-142. S-0 '61.

(Russia—Agricultural research)  
(Russia—Farming)

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Vitamin C content of some Polish berries. Maria Szczygłowa and Jadwiga Siczakówna (P.Z.H., Warsaw, Poland). *Roczniki Państwowego Zakładu Hig.* 1, 147-53(1950).—The vitamin C was detd. by Tiffman's method and a higher content was found in not quite ripe fruit. White currants contained 35-63.3 mg. %, red currants 26-56 mg. %, black currants 140-258 mg. %, gooseberries 28-44 mg. %. Heating of the whole fruit at 100° for 30 min. destroyed 23-100% of vitamin C, heating of berry pulp under same conditions gave losses of 15-100%, grinding of raw fruit with sugar to jelly consistency reduced the vitamin content by 13-62%. The smallest losses were found with black currants.

I. Z. R.

C.A.

Fresh rose hips and their preserves as a source of vitamin C. M. Szczygłowa, J. Luczakowa, and J. Siczakówna (Państw. Zakład Hig., Warsaw, Poland). *Roczniki Państwowego Zakładu Hig.* 1, 523-32 (1950) (English summary).—Vitamin C content was detd. of rose hips (*Rosa canina*, *R. gallica condita*, and *R. rugosa*). Whole fresh hips contain 545 mg. %, hips without pips 661 mg. %, pulp 847 mg. %. In sugar preserves the vitamin C content decreased 5-6% during the first half year. Boiling water exts. about 40% of vitamin C from fresh hips and about 64% from dried ones. During the drying process 45-90% of vitamin C are lost. Vitamin C was extd. with 2% oxalic acid and titrated with dichlorophenolindophenol. W. Szybalski.

C.A.

1 Vitamin B<sub>1</sub> and B<sub>2</sub> content in leaven prepared from 82%  
rye flour. Z. Dujkowska and M. Szczygłowa (Państw.  
Zakład Hig., Warsaw, Poland). Roczniki Państwowego  
Zakładu Hig. 1, 533-49(1950)(English summary).—During  
the fermentation of leaven the content of vitamin B<sub>1</sub> de-  
creased 6-35% and vitamin B<sub>2</sub> increased 5-60% from the  
initial value; pH decreased from 5.6-5.8 to 3.4-3.0. The  
content of vitamins B<sub>1</sub> and B<sub>2</sub> in a Polish soup "zup" prepd.  
from fermented leaven is rather low (approx. 0.01 mg. %).  
Both lab.-prepd. and home-made leavens show similar  
contents of vitamins B<sub>1</sub> (0.17-0.55 mg. %) and B<sub>2</sub> (0.16-0.23  
mg. %). W. Szybalski

12 272 (1957) 17

Excerpta Medica 1/1 sec 17 Jan 55 Pub. Health, Social Medicine & etc

436. SZCZYGLOWA M. and SICZKOWNA J. Działu Hig. Żywienia, P.Z.H.,  
~~Warsaw~~ Vitamin C content in meals prepared in one of  
the canteens (English summary) ROCZNIKI PANSTW. ZAKL. HIG.  
1952, 3 (129-144)

The vit. C content of food depends on the season and method of preparation. The  
vit. C content of raw potatoes was 8.4 mg. % in spring and 22.5 mg. % in autumn.  
The loss in vit. C in boiled potatoes was 40.5% in spring and 23.3% in autumn, in  
the preparation of soups 11.8-70.9% and in the preparation of salads 6.2-83.8%,  
the greatest loss occurring when grated horse-radish was included. References 15.  
Piotrowski (Chem. Abstr.)

Szczygłowa, M.

MISIUREWICZ, M.; SZCZYGŁOWA, M.

Studies on vitamin C level in blood serum in infants and children.  
Pediat. polska 27 no. 4:381-394 Apr 1952. (CJML 22:4)

1. Of the National Institute of Mother and Child (Director--Prof.  
R. Baranski, M. D.) and of the Department of Nutrition (Head--Prof.  
A. Szczygiel, M. D.) of the National Institute of Hygiene in Warsaw.

SZCZYGIŁOWA, MARIA

17

P O L . 4

✓ Enzymic microbiological method for determining ascorbic and dehydroascorbic acids in the presence of reducing agents. Halina V. Bogdańska, Barbara Desperak-Szczepińska, and Maria Szczygiłowa. *Roczniki Państwowego Zakładu Higieny* 5, 127-128 (1954) (English summary).—The method of Stewart and Sharp (*C.A.* 39, 3563) has been modified to account for the reducing agents which are not completely oxidized in the presence of ascorbic acid oxidase.  
Alina S. Szczesniak

2

SZCZYGŁOWA, MARIA

BIERNACKA-BIŚKIEKERSKA, Jadwiga; SZCZYGŁOWA, Maria

Role of ascorbic acid in physiology of color vision. 2. Relation of green color vision to the level of vitamin C. Klin. oczna 24 no.1:1-6 1954.

1. Z Poradni dla Młodocianych w Warszawie. Kierownik: doc. dr J. Biernacka-Biśkierska i z Działu Higieny Żywności Państw. Zakładu Higieny. Kierownik: prof. dr A. Szczygieł.

(VITAMIN C, in blood,

\*relation to green color vision)

(BLOOD,

\*vitamin C, relation to green color vision)

(COLOR VISION,

\*green, relation to vitamin C in blood)

SZCZYGLOWA, MARIA

Modification of the xylene extraction method as orific

CZARNECKI, Lech; GRANICKI, Olgierd; OSUCH, Rozalia; SZCZYGLOWSKI, Jan

The problem of viral hepatitis in pregnant women. *Prezegl. epidem.*  
16 no.2:199-205 '62.

1. Z Kliniki Chorob Zakaznych AM w Bytomiu Kierownik: prof. dr  
K. Szymonski i z II Kliniki Poloznictwa i Chorob Kobietych AM w  
Bytomiu Kierownik: prof. dr B. Stepowski.  
(PREGNANCY compl) (HEPATITIS INFECTIOUS in pregn)

PLCZAKOWSKI, Wladyslaw, prof. mgr inz.; SZCZYPA, Henryk, inz.

Saline brown coal as raw material for ~~electric power~~ production.  
Energetyka Pol 17 no.10:296-300 0 '63.

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10

WAKSMUNDZKI, Andrzej; SZCZYPA, Jerzy

The magnitude of the potential of fluorite powder electrodes  
in the presence of flotation reagents. Przem chem 39 no.6:  
330-332 Je '60.

1. Pracownia Zakladu Fizykochemii Zjawisk Powierzchniowych,  
Polska Akademia Nauk, Lublin

SECZYŃSKI, S.

Labor competition in fishing teams on lakes. p.10  
GOSPODARKA RYBNIA (Polskie Wydawnictwa Gospodarcze) Warszawa  
Vol. 8, no. 2, Feb. 1956

So. East European Accessions List Vol. 5, No. 3 September 1956

SZCZYPIŃSKI, W.

POLAND / General and Specialized Zoology. Insects. P  
Insect and Mite Pests.

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44891

Authors : Szczyplinski, W.; Lucjanec, A.

Inst : Not given

Title : Study of the Effect of 10% Azotox and 5%  
Gosarol Shering Insecticides on the Bean Weevil  
(Bruchidius obtectus).

Orig Pub : Roczn. nauk. rolniczych, 1956, A73, No. 2,  
325-326

Abstract : None given.

Card 1/1

50

SZCZYPINSKI, W.; WITKOWSKI, W.; SLABECKA, D.

Comparison of the effectiveness of new insecticides on the rape  
beetle (*Meligethes aeneus* F.). Rocznik nauki rolnej 81 no.3:655-  
669 '60. (EEAI 9:10)

(Poand--Rape (Plant))

(Insecticides)

(*Meligethes aeneus*)

SZCZYPINSKI, W.; WITKOWSKI, W.; SLABECKA, D.

Research on the dusts of azotox made on various carriers. *Bocz*  
*nauk roln rosl* 82 no.1:219-249 '60. (EBAI 10:7)

(Trichlorobischlorophenylethane)

(*Meligethes aeneus*) (Poland--Plants) (Rape)

BOJANOWICZ, Kazimierz; GRABARA, Longin; SZCZYPIOR, Alicja

Studies on the chest-extremity index during life with special reference to adolescence. Pol. tyg. lek. 18 no.52:1952-1956 23 D '63.

1. Z I Kliniki Chorob Wewnętrznych Akademii Medycznej w Łodzi (kierownik: prof. dr nauk med. J.W. Grott).

SZCZYPIOR, Czeslaw

Safety measures at the railway crossings of the Warszawa-Grodzisk  
electric commuter railroad. Przegl kolej elektrotech 15 no.4:95-  
97, 98 Ap '63.

Poland/Chemical Technology. Chemical Products and Their Application -- Food  
industry, I-28

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 6598

Author: Rebowska, Zofia; Szczypiorska, J.; Woyke, Halina

Institution: None

Title: Preliminary Investigations of the Suitability of Some Vegetables for  
Freezing

Original

Publication: Przem. spozywczy, 1956, 10, No 5, 200,202

Abstract: Studies of the growing conditions, nutritive and vitaminic value as  
well as of changes on freezing, and an organoleptic evaluation, in  
the frozen condition, of the following vegetables: green peas, string  
beans, cauliflower, cucumbers, sweet red pepper, tomatoes, green dill.  
It was found that the following varieties are suitable for freezing:  
(1) green peas -- Record, Lincoln, Marvel of Kel'vedon [transliterated];  
(2) beans -- Saxe, Friege, Saxe Gold; (3) Monastyrskiye cucumbers;  
(4) Erfurth cauliflower. Tomatoes and dill in the frozen condition  
are high grade products. Sweet red peppers are not suitable for  
freezing.

Card 1/1

SZCZYPIORSKI, Kazimierz; TOMASZEWSKA, Elzbieta; ROJEWSKI, Ignacy

Bacterial flora in inflammatory conditions of the middle ear  
in infants up to 2 years of age. Otolaryng. pol. 17 no.4:  
491-494 '63.

1. Z Działu Laryngologii PSK Nr 3 Akademii Medycznej w  
Warszawie.

\*

SZCZYPIORSKI, Kazimierz; TOMASZEWSKA, Elzbieta; BUJKO, Klaudia.

Bronchoscopic results in cases of obstructive emphysema in primary tuberculosis in infants and small children. Gruzlica 33 no.8: 657-663 Ag ' 65.

1. Z Kliniki Terapii Chorob Dzieci AM w Warszawie (Kierownik: prof. dr. med. H. Zapasnik-Kobierska) i z Dzialu Laryngologii Zespolu Klinik Peditrycznych AM w Warszawie (Kierownik: dr. med. K. Szcypiorski).

SZCZYPIÓRSKI, S., KOSSOBUDZKI, A.

Technika transakcji w imporcie maszyn i urządzeń (Technique of transactions in the import of machines and installations), by S. Szczypiórski, A. Kossobudzki. Reported in New Books, (Nowe Książki), No. 6, March 15, 1956.

SZCZYFIRO, Adam

Development of import and export of machinery and equipment.  
Przeł techn 81 no.23:5-7 Je '60.

Pr-4/Pi-4/Pj-4/Pac-4/Peb

P. 2597 64/014/046/0013/0022

ACCESSION NR: AT50-7775

AUTHOR: Szczypko, A. (Shechupko, Z.)

TITLE: Symmetrical compensation for discontinuities in rectangular waveguides

SOURCE: Warsaw. Przemyslowy Instytut Telekomunikacji. Prace, v. 14, no. 46, 1964, 13-22

TOPIC TAGS: waveguide, rectangular waveguide, waveguide discontinuity, symmetrical compensation

ABSTRACT: A simple engineering method for matching sections of high-power waveguides, which is to a large extent independent of the mechanical details of the line, is described. The method preserves the power handling capabilities of the line and enables it to be used in a wide range of applications. It may be applied in situations in which it is required to match sections of waveguides of different cross-sections. The method is illustrated by an example of the matching of two waveguides. The admittance matrices of the waveguides are determined and the method is applied to the matching of the two waveguides. The results are shown in Figure 1 of the Enclosure. The admittance matrices of the waveguides are determined and the method is applied to the matching of the two waveguides.



L 42018-65

ACCESSION NR: AT5007775

SUBMITTED: 26Oct63

ENCL: 03

SUB CODE: EC

NO REF SOV: 002

OTHER: 010

Card 3/6

L 42018-65

ACCESSION NR: AT5007775

ENCLOSURE: 01

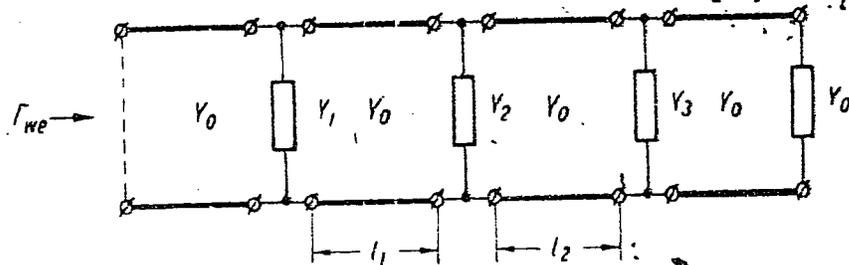


Fig. 1. A filter constructed from 3 admittances, separated by sections of transmission line:  $Y_1, Y_2, Y_3$  - inserted admittances,  $Y_0$  - characteristic admittance of the line,  $l_1, l_2$  - line sections,  $\Gamma_{we}$  - input reflection coefficient.

L 12018-65

ENCLOSURE: 02

ACCESSION NR: AT5007775

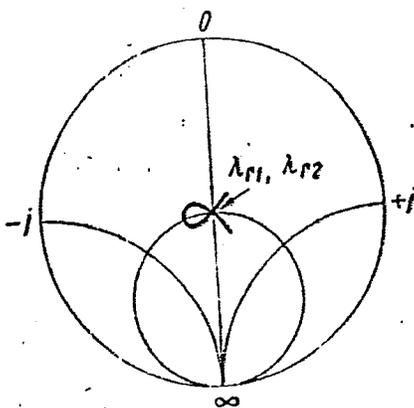


Fig. 2. Variation of the reflection coefficient with wavelength for  $\Delta > 0$ .

Card 5/6

SZCZYPKO, Z.

Symmetrical compensation of discontinuities in rectangular waveguides. Przem inst telekom prace 14 no.46:13-22 '64.

SZCZYPKO, Zbigniew, mgr inż.

Standard positions for microwave measurements. Przegl telekom  
36 no.10:Suppl.:Biul przem inst telekom 16 no.2:300-304'64..

13564-65  
ACCESSION NR: AP5012962

PO/0022/64/000/010/0300/0304

12  
B

AUTHOR: Szczytko, Zb. (Master engineer)

TITLE: Measurement apparatus with microwave standards

SOURCE: Przegląd telekomunikacyjny, no. 10, 1964, 300-304

TOPIC TAGS: microwave, electronic measurement, physics laboratory instrument

Abstract: The article reports on the scientific research work done at the Department of Microwave Measurements (Zakład Miernictwa Mikrofalowego) of the Institute in the field test apparatus and microwave standards. Described here are standards of frequency, power, noise, attenuation and impedance. Both the devices themselves and the associated circuitry are shown and explained. Directions for further development are indicated. Articles dealing with each of the type of measurement are being prepared for future publication. 1st. art. has 7 figures.

ASSOCIATION: none

SUBMITTED: 00

NO REF SOV: 000

Card 1/1 *ry*

ENCL: 00

OTHER: 000

SUB CODE: EC

JPRS

SZCZYREK, Krystyna, inz.

Cerium as an admixture neutralizing the effect of noxious elements  
in spheroidal cast iron. Przegl odlew 13 no.2:56-59 F '63.

SZCZYTT W

SZCZYTT, W.

Analysis of the operations on the general-cargo wharf.

p. 291 (Technika I Gospodarka Morska) Vol. 7, No. 10, Oct. 1957, Gdansk, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

SIKORNY, W.

Certain factors determining the amount of transshipment charges. p. 133

TECHNIKA I GOSPODARSTWA MORSKA. (Mazelna Organizacja Techniczna, Instytut Morski i Morski Instytut Rybacki) Gdansk, Poland, Vol. 9, no. 5, May, 1959

Monthly List of East European Accessions (MEAI) LC Vol. 8, no. 8, August, 1959

Incl.

SZCZYTT, W., mgr

On further trends in the analysis of loading costs in ports. Tech  
gosp morska 10 no.7/8:203-205 JI-Ag '60. (EEAI 9:11)

1. Zarzad Portu, Gdansk  
(Harbors)  
(Loading and unloading)  
(Cargo handling)

SZCZYTT, W., mgr.

The effect of cargo handling on the freightage capability of ships.  
Tech gosp morska 11 no.1:6-7 Ja '61.

1. Zarzad Portu Gdansk.

SZCZYTT, W., mgr.

For a correlation of synthetic coefficients of quay operations. Tech  
gosp morska 11 no.6:164-165 '61.

1. Zarzad Portu Gdansk.

SZCZYTT, W., mgr.; WOLOSZYN, Z.

Rentability of repairing old cranes. Tech gosp morska 12 no.1:1-2  
'62.

1. Zarzad Portu Gdansk.

(Cranes, derricks, etc.)

SZCZYTT, Wiktor, mgr\*

Characteristics of the vessels in the Gdansk Port in 1961.  
Tech gosp morska 12 no.11:345 N '62.

SZCZYTT, Wiktor, mgr

More on the method of evaluating the work of the seaports.  
Tech gosp morska 12 no.12:357 D '62.

1. Zarzad Portu, Gdansk.

SZCZYTT, Wiktor, mgr

Research methods on port investment effectiveness. Tech gosp m<sup>orska</sup>  
13 no.3:71-72 Mr '63.

1. Zarzad Portu, Gdansk.

SZCZYPI, Wiktor, mgr

Problem of insecurity in the operational work of seaport authorities.  
Tech gosp morska 13 no. 7/8:206-207 J1-Ag '63.

1. Seaport Authority, Gdansk.

SZCZYTT, Wiktor, mgr

Methods of evaluating the capital consumption of production  
and technical equipment of work in seaports. Tech gosp  
morska 13 no.12:356-357 D'63.

1. Zarzad Portu, Gdansk.

SZCZYTT, Wiktor, mgr

Economic effects of mechanizing loading works. Tech gosp  
morska 14 no.1:22-23 Ja'64.

SZCZYTT, Wiktor, mgr

Economic effects of direct reloading operations of general cargo. Tech gosp morska 14 no.2:38-40 F '64.

1. Zarzad Portu, Gdansk.

SZCZYTT, Wiktor, dr

Problems of constructing deep quays in Polish Seaports. Tech  
gosp morska 15 no.3:91-92 Mr '65.

1. Gdansk Seaport Authority.

Szdai, R.

Trends and results of the modern development of steam turbines. p.365

GEP. (Gepipari Tudmanyos Egyesulet) Budapest, Hungary  
Vol. 11, no.9, September 1959

Monthly List of East European Accessions (EEAI) LC, VOL. 8, no.11  
November 1959  
Uncl.

SZDLOUSKI, M.

The radom Plants of the Lumber Industry discuss the five-year Plan.

P. 33, (Przemysl Drzewny. Vol. 7, no. 2, 1956, Warszawa, Poland)

Monthly Index of East European Accessions (EFAI) LC. Vol. 7, no. 2,  
February 1958

ZABLOCKI, Bernard; KOTLIK, Krystyna; SIEDLICKI, Stanislaw

Further studies on the level and frequency of appearance of Salmonella  
and Shigella O agglutinins. Nauki matematyczne Lodz no.16:11-13 '64.

1. Department of Microbiology, University, Lodz.



PROCESSES AND PROPERTIES INDEX

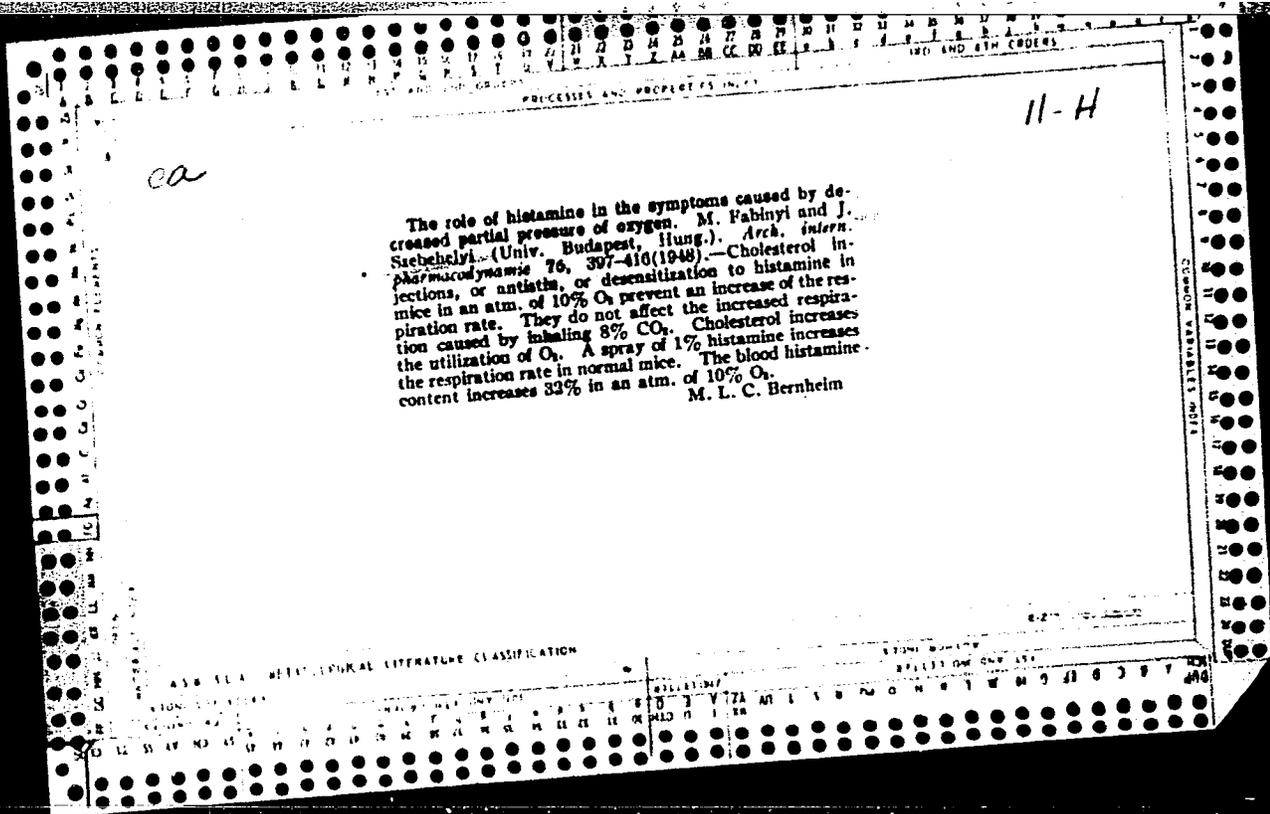
11-4

*ca*

Desensitization against the temperature-reducing effect of histamine. M. Fabinyi and J. Szebehelyi (Univ. Budapest, Hung.). Arch. intern. pharmacodyn. 75, 402-11(1948).—After 12 daily injections histamine no longer lowered the body temp. of white mice. Histidine will also prevent the histamine effect. Mice which no longer react to histamine still react to acetylcholine, eserine, and doryl. M. L. C. Bernheim

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

E-2



SZEBEHLYI, J. 1948

(Dept. of Pharmacol, U. of Budapest)

"The Effect of Histamine on the Swelling of Collagen."

Arch. Internat. de Pharmacodynamie etde Therapie, 1948, 77/3(270-288)

Abst: Exc. Med. 11, Vol.11, No. 4, p. 500

SZEBEHELYI, J.  
6136

Pharmakologisches Institut der Peter-Pazmany-Universitat in Budapest. Desensibilierung durch Histamin in Gegenwart von Antihistamin Desensitization by histamine in presence of antihistamine Schweizerisch Medizinisch Wochenschrift, Basle 1949, (299-301) Graphs 4

White mice were desensitized by daily subcutaneous injections of 2 mg. histamine for the first three days, followed by 3 mg. for three days, 2x2 mg. for three days and finally 2x3 mg. for three days. Desensitization was controlled by observing the fall in rectal temperature after histamine injection and the increase in the respiratory rate with a lack of oxygen. The former reaction did not occur in histamine desensitized mice (Arch. Internat. Pharmacodyn. 1948, 76, 394). It is not possible to desensitize mice with small doses of histamine without a fall of temperature. If 5 ug./g. pyribenzamine is given 30 minutes before and 2.5 ug./g. pyribenzamine with a histamine injection, no fall in temperature occurs. Using this procedure regular desensitization for histamine was obtained, whereas mice treated only with pyribenzamine were not desensitized. Adrenaline and atropine do not inhibit the fall of rectal temperature or desensitization with histamine. The significance of histamine-desensitization in treatment is discussed.

Ambrus - Zurich

SZEBEHELYI, J.  
6135

Dept of Pharmacol., Univ. of Budapest Further investigations about the histamine hypothesis of the oxygen deficiency Archives Internationales de Pharmacodynamie et de Therapie, Bruges 1949, 78/2 (354-361) Graphs 7 Tables 1

In mice, 40 ug. of dihydroergotamine (DHE) per animal prevents the increase in respiration rate induced by a low partial pressure of oxygen, but DHE had no effect on the increased respiration rate induced by 8% carbon dioxide. Histamine causes an increase in temperature and metabolism in narcotized rats held at 30° C. Since this effect is not observed in adrenalectomized rats injected with cortin, it is concluded that histamine causes the mobilization of adrenaline. Antistine fails to inhibit this effect of histamine. Dyspnoea caused by the administration of lobeline is prevented by antistine, but not by DHE. In oxygen deficiency, adrenalinaemia seems to be the primary and histaminaemia the secondary process; the histaminaemia affects the breathing centre by way of the sinus caroticus.  
McIntire - Chicago

SO: EXCERPTA MEDICA, Vol. II, No. 11, Sec. II, Nov. 1949

SZEBEHELYI, J. 1949

(Pharmacol. Inst. of U. of Budapest)

"Desensitization by Histamine in Presence of Antihistamine."

Schweizerische Medizinische Wochenschrift, Basle, 1949, 79/13(299-301.)  
Abst: Exc. Med. 11, Vol. 11, No. 11, p. 1507

SZEBEHELEY, J. 1951

(Dept. Pharm. Univ. of Lund.)

"The Effect of Phenbenzamine on the Immediate Reactions of the Blood Pressure After Locally Applied Skin Burns."

Kungl. Fysiogr. Sallsk, Lund Forhandl. 1951, 21/5(5 pages)  
Abst: Exc. Med. 11, Vol. 5, No. 7, p. 885

SZEBELLEDY, J.

Present state of agricultural utilization of sewage in Hungary.  
Zesz probl post nauk roln 47:59-64 '64

SZEBELÉDY, Iaszlona, dr.

Conference on Sewage Irrigation, Budapest, September 9-14, 1963.  
Vizügyi közl no.4:413-416 '63.

PROCESS AND PROPERTIES INDEX

BC

a-1

**Separation and determination of calcium and strontium.** L. SZABELLADY (Magyar Chem. Fol., 1929, 35, 60-62; Chem. Zentr., 1930, II, 274).—The mixed nitrates are dried at 180°, and then extracted first with absolute alcohol and then with isobutyl alcohol until not more than 5 mg. are removed. The calcium nitrate solution so obtained is evaporated and the residue dried, whilst the strontium nitrate is dried at 140°. A correction of 0.2 mg. for each extraction is applied.

A. A. ELDEKOR.

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

LARGE #	REGIONAL DIVISION	SECTION	SUBJECT GROUP
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

PROCESS AND PROPERTIES INDEX

A-1

69

**Separation and determination of calcium and barium. I. Szapovaly (Magyar Chem. Fol., 1929, 35, 63-64; Chem. Zentr., 1930, II, 274).—The procedure employed for the separation of calcium and strontium (preceding abstract) is applicable.**  
A. A. ELDRIDGE.

A S S - S L A METALLURGICAL LITERATURE CLASSIFICATION

SECTION	SECTION	SECTION	SECTION
1	2	3	4
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

117 AND 118 GROUPS      119 AND 120 GROUPS

PROCESSES AND PROPERTIES INDEX

a-1

Bc

**Determination of strontium and barium in presence of one another. Separation as bromides. L. SZENTLŐSI (Magyar Chem. Föld., 1929, 35, 100-105; Chem. Zentr., 1930, II, 374).—The nitrates (0.5 g.) are converted into the bromides by treatment with hydrobromic acid (free from sulphate), dried at 100°, and finely ground with hot isobutyl alcohol (10 c.c.). The filtrate containing the strontium bromide is evaporated, the residue being heated with ammonium sulphate, and the strontium weighed as sulphate. The remainder of the salt mixture is dissolved in water, evaporated with hydrobromic acid (1 g. HBr), and the extraction repeated until not more than 5 mg. of strontium sulphate are recorded. The residual dry barium bromide is weighed. A correction of 0.5 mg. is transferred from the strontium sulphate to the barium bromide for each extraction.**

A. A. ELDRIDGE.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

FROM STRONTIUM      FROM BARIUM

FROM STRONTIUM	FROM BARIUM
S R O B R O M I D E S	S R O B R O M I D E S

COMMON ELEMENTS

MATERIALS INDEX

COMPOUND VARIANTS INDEX

1ST AND 2ND COPIES      PROCESSES AND PROPERTIES INDEX      3RD AND 4TH COPIES

BC

66-1

Determination of iron with potassium dichromate. L. BANUSZKY (Magyar Chem. Foly., 1900, 30, 40-44; Chem. Zentr., 1930, II, 374-375). The solution diluted to 50 c.c. is treated with 10 c.c. of aqueous sulphuric acid (1:3) and 1 c.c. of 1% p-phenylenediamine solution as indicator. After expulsion of air by passing of potassium hydrogen carbonate (1 g.), ammonium fluoride (5 g.) is added and the mixture is titrated with 0.1N potassium dichromate from yellowish-green to reddish-violet. A. A. ELNEBOK.

A.I.M.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

FROM STEINBACH      FROM BOWLING

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA BB CC DD EE FF GG HH II JJ KK LL MM NN OO PP QQ RR SS TT UU VV WW XX YY ZZ  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50  
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA BB CC DD EE FF GG HH II JJ KK LL MM NN OO PP QQ RR SS TT UU VV WW XX YY ZZ

Separation and determination of strontium and barium as bromides. *László Székely*. *Magyar Chem. Folyóirat*. 38, 81-3(1932). The nitrates are treated with concd. HBr, then dried at 180°. The residue is dissolved in abs. MeOH and anhyd isobutyl alc. Repeated treatment with the latter dissolves SrBr<sub>2</sub> and the remaining BaBr<sub>2</sub> can be weighed as a cryst., easily filtrable salt. SrBr<sub>2</sub> is detd. by evapn. of the soln. S. S. OR FINELY

METALLURGICAL LITERATURE CLASSIFICATION  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50  
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA BB CC DD EE FF GG HH II JJ KK LL MM NN OO PP QQ RR SS TT UU VV WW XX YY ZZ



PROCESSES AND PROPERTIES INDEX

7

Selenium as a reduction-oxidation indicator in the determination of arsenite ions by means of potassium bromate. László Szabellódy and Károly Schick. *Magyar Gyógyszerészet. Tájékozt. Értesítő*, 9, 449-54 (1933).— The  $KBrO_3$  titration of  $As^{III}$  can be made without indicators in bright sunlight, but an indicator is necessary for working by artificial light. A colloidal red modification of Se as a reversible reduction-oxidation indicator can show the end of the reaction instead of the irreversible methyl orange. Add 5 g. NaBr to the arsenite-contg. soln., dil. to 85 cc., add 25 cc. concd. HCl, heat to 55-60° and add 1 cc.  $M H_2SeO_3$ . A dark-red colloidal Se is formed in the soln., which serves as an indicator. Results obtained by this method agree well with those obtained by potentiometric titration. S. S. de Pincly

A S E S L A METALLURGICAL LITERATURE CLASSIFICATION

CA

7

Patentiometric volumetric analysis by means of three pairs of electrodes connected in series. *László Beretényi and János Jónas. Magyar vegyszerészeti Lapok (Hungary) 11, 6, 1951 1015.* To make possible the use of a cheap radio milliammeter for electrometric titrations a special titrating glass bottle was designed. Three pairs of electrodes connected in series are used. The p.d. is thus increased threefold and results can be visually read on cheap instruments. The 3 pairs of electrodes also make possible the use of 3 different indicators. Chiefly alkalimetry, acidimetry and pptn. titration can be conducted. The sensitivity of methods naturally cannot be increased in this way. *N. S. de Pinsky*

ADDITIONAL BIBLIOGRAPHICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

17

*CA*

**Determination of acidity of castor oil.** László Szabotódy and István Tancay. *Magyar Gyógyszerészet. Tártság Értékelője* 13, 405-11; *Z. anal. Chem.* 107, 260-76 (1936).— A micro-method was devised for the detn. of acid no. of the oil pressed out of a single castor bean. Saponify about 0.56 g. oil with 0.1 N 90% MeOH-KOH soln. The detn. can be made on an nitre as 0.1 g. oil, with amt. 0.01 N soln. should be used for sapon. Titrate in a specially designed weighing microburet. Somewhat low results were obtained when 98% MeOH was used for sapon. Dissolve 1% phenolphthalein in the alc. KOH soln. to indicate alky. S. S. de Finály

ASTM-SLA METALLURGICAL LITERATURE CLASSIFICATION

ASTM-SLA METALLURGICAL LITERATURE CLASSIFICATION

PROCESSING AND REPRODUCTION NOTES

7

Detection of molybdic acid. László Szabellély and János Jónás. *Magyar Gyógyszerészet, Társaság Értesítője* 12, 412-10(1930).—Tincture of cochineal gives a fire-red fluorescence with molybdic acid soln. The optimum H-ion concn. is at  $pH$  4.8-6.2. Presence of Ag, Cd, As, Sb, Zn, Ca, Sr, Ba, K, Na, NH<sub>4</sub>, and W do not interfere, but Pb, Hg, Cu, Bi, Co, Ni, Fe, Mn, Cr and V do. S. S. de Finálh

ASTM-31A METALLURGICAL LITERATURE CLASSIFICATION

GROUP	SECTION	SUBSECTION	SECTION	SUBSECTION
A	1	1	1	1
B	1	1	1	1
C	1	1	1	1
D	1	1	1	1
E	1	1	1	1
F	1	1	1	1
G	1	1	1	1
H	1	1	1	1
I	1	1	1	1
J	1	1	1	1
K	1	1	1	1
L	1	1	1	1
M	1	1	1	1
N	1	1	1	1
O	1	1	1	1
P	1	1	1	1
Q	1	1	1	1
R	1	1	1	1
S	1	1	1	1
T	1	1	1	1
U	1	1	1	1
V	1	1	1	1
W	1	1	1	1
X	1	1	1	1
Y	1	1	1	1
Z	1	1	1	1



1ST AND 2ND ORDERS      PROCESSES AND PROPERTIES INDEX      100 AND 2TH ORDERS

7

ca

**Apomorphine as a reduction-oxidation indicator for the**  
**determination of antimonite ion by potassium**  
**permanganate.** *László Szabó and Károly Bék. Magyar Geológiai*  
*Értesítő. Társaság Értésítője 12, 435-9 (1935).*—Add ex-  
 cessive HCl to 50 cc. soln. to give a 8% HCl concn. T  
 at 45-50° add 0.3 cc. of a 0.1% soln. of apomorphine-HCl  
 and titrate with 0.1 N KBrO<sub>3</sub> to a pink color. After each  
 drop of the last portions wait 10-20 sec. The results agree  
 well with the values obtained by potentiometric titration.  
 Too much apomorphine disturbs the sharpness of the end  
 point. S. S. de Fináiv

A.S.M.-S.E.A. METALLURGICAL LITERATURE CLASSIFICATION

E-2

MATERIALS INDEX

Bc

A-1

Detection of molybdic acid by fluorescence reaction. L. SEKBELÁDY and J. JÓNÁS (Mikrochim. Acta, 1937, 1, 46-50).—Molybdic acid gives with cochineal tincture, best at  $pH$  5.7-6.2, a sensitive brilliant red fluorescence. Most heavy metals extinguish or mask the fluorescence. J. S. A.

ASAC 55A METALLURGICAL LITERATURE CLASSIFICATION

PROCEDURES AND PROPERTIES INDEX

*BSC*

*a-1*

Osmic acid as redox indicator in volumetric determination of arsenite with potassium bromate. L. SZARLANSKY and W. MAPIK (Mikrochim. Acta, 1957, 1, 226-230). — OsO<sub>4</sub> gives with AsO<sub>3</sub><sup>3-</sup> in dil. H<sub>2</sub>SO<sub>4</sub> solution an immediate bluish-black coloration of colloidal Os<sub>2</sub>, which is oxidized and decolorized by any excess of BrO<sub>3</sub><sup>-</sup>. 2 c.c. of 0.25% OsO<sub>4</sub> are used for 50 c.c. of solution containing 5 c.c. of 0.1N-H<sub>2</sub>SO<sub>4</sub>. The method may be used micro-analytically. J. S. A.

A S B - S L A METALLURGICAL LITERATURE CLASSIFICATION

COMMON VARIANTS INDEX

COMMON ELEMENTS

OPEN

MATERIALS INDEX

GROUPS

INDEX LETTERS

INDEX LETTERS

INDEX LETTERS

PROCESSES AND PROPERTIES INDEX

A-1

BC

**Volumetric micro-determination of nitrates.**  
 L. SZEBELÉNYI and M. AJTAI (Mikrochim. Acta, 1937, 4, 255-259).—Disadvantages of the method previously described (cf. A., 1928, 498, 979) have been investigated. Greater accuracy (0.4%) is claimed if dilution of the strongly acid solution is avoided by titrating with  $n\text{-FeSO}_4$  delivered from a micro-burette instead of with  $0.1N\text{-FeSO}_4$ .  
 C. R. H.

ASM-A METALLURGICAL LITERATURE CLASSIFICATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1ST AND 2ND CRORES

PROCESSES AND PROPERTIES INDEX

100 AND 4TH CRORES

7

CA

Common Element

Common Variable Note

Phosphomolybdic acid as oxidation-reduction indicator in the titration of hydrazine salts with potassium bromate. L. Szabellédy. *Anal. Chim. Acta* 2, 57-61(1937).—Hydrazine sulfate solns. react with phosphomolybdic acid to give a deep blue reduction product of molybdic acid. The addn. of an oxidizing agent causes the disappearance of the blue color as a result of oxidation of Mo back to the sexivalent state. The reaction is reversible and can be used to det., under appropriate conditions, the end point of the titration of hydrazine salt with  $KBrO_3$ . The soln. to be titrated may contain the equiv. of 10-30 ml. of 0.1 N hydrazine salt. Dil. with water to about 40 ml., add 0.3 g. of powd. Na molybdate and 10 ml. of 25%  $H_2PO_4$ . Heat to 60-80°, which will cause the soln. to assume a blue color. Titrate with  $KBrO_3$  soln. until the soln. becomes colorless within 30-40 sec. after the addn. of the last drop of bromate. A comparison of the results obtained by this method with those obtained by potentiometric titration shows that the method is reliable. W. T. H.

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND CRORES

3RD CRORES

4TH CRORES

5TH CRORES

6TH CRORES

7TH CRORES

8TH CRORES

9TH CRORES

10TH CRORES

11TH CRORES

12TH CRORES

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1ST AND 2ND COLUMNS

PROCESSES AND PROPERTIES INDEX

Microvolumetric determination of nitrates. *László Szabó and Miklós Ajtai. Magyar Geokémiai Társaság Közlönye 13, 75-80(1937).*—The method is recommended chiefly for aerial work. Dissolve a sample (contg. 0.05-0.15 g. nitrate) in a 150-cc. flask with 10 cc. water. Cautiously add 40 cc. concd. H<sub>2</sub>SO<sub>4</sub> in small portions with cooling. Add 1 g. NaHCO<sub>3</sub> to the soln. to produce a CO<sub>2</sub> atmosphere and titrate with 1.0 N acid FeSO<sub>4</sub> soln. to a light pink transition color. The titer of the FeSO<sub>4</sub> soln. can be detd. by means of chemically pure KNO<sub>3</sub> (prepus. S. S. de Pinaly

458-55A METALLURGICAL LITERATURE CLASSIFICATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



SZEBELLECY, L.

Szebelleczy, L. and Madis, V.

Phosphomolybdic Acid as a Reduction-Oxidation Indicator in the Determination of Hydrazine Salts by Means of Potassium Bromate.

Ber. ungar. pharm. Ges., V. 13, 1937, pp. 368-375

Chem. Abst., V. 31, p. 6128, 1937

Dissolve 0.3 g. powd. Na molybdate in 40 cc. of the soln. to be tested and add 10 cc. 25%  $H_3PO_4$ . The soln. becomes blue at 60-80°. Now add 0.1 N  $KBrO_3$  soln. until the blue color disappears. A micro method requiring about one tenth of above amt. is described.

PROCESSES AND PROPERTIES INDEX

Manganese as catalyst in the determination of hydrogen peroxide by means of potassium bromate. Laszlo Sebestyén and Valdemár Matlis. *Act. ungar. pharm. Ges.* 13, 376-81 (1937). --To 25 ml. of H<sub>2</sub>O<sub>2</sub> soln. add 1 g. MnCl<sub>2</sub> and titrate dropwise with 0.1 N KBrO<sub>3</sub>, until the color is yellow. Heat to 40° and add enough more KBrO<sub>3</sub> soln. to restore the yellow color. The results agree with those obtained by KMnO<sub>4</sub> titration. MnSO<sub>4</sub> can be used in place of MnCl<sub>2</sub>, but the soln. should be warm at the start and the end point approached more gradually.

S. S. de Finálv

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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TEST AND PREPARED NOTES

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*ca*

Detection of nitrates by means of rubrophen. László Sebellédy and János Jónás. *Magyar Gyógyszerészet. Tájékoztató Értesítője* 13, 818-21(1937).—Dissolve 0.003 g. rubrophen (trimethoxydihydroxyoxotriphenylmethane) in 10 cc. 0.1 N NaOH. Add slowly 12 cc. 0.1 N H<sub>2</sub>SO<sub>4</sub> and make up with water to 100 cc. This soln. contains 1 γ rubrophen in each drop. Place 0.5 cc. concd. sulfuric acid in each of two depressions in a porcelain plate and add to each 0.03 cc. of the above soln. by means of a micropipet. The mixt. becomes pinkish. Add 0.03 cc. of a dilk. nitrate soln. to one of the mixt. and stir with a glass rod. The nitrate-contg. soln. loses the pinkish color. Nitrites give the same reaction; other ions usually do not disturb the reaction in concns. of 1:1000. S. S. de Finály

METALLURGICAL LITERATURE CLASSIFICATION

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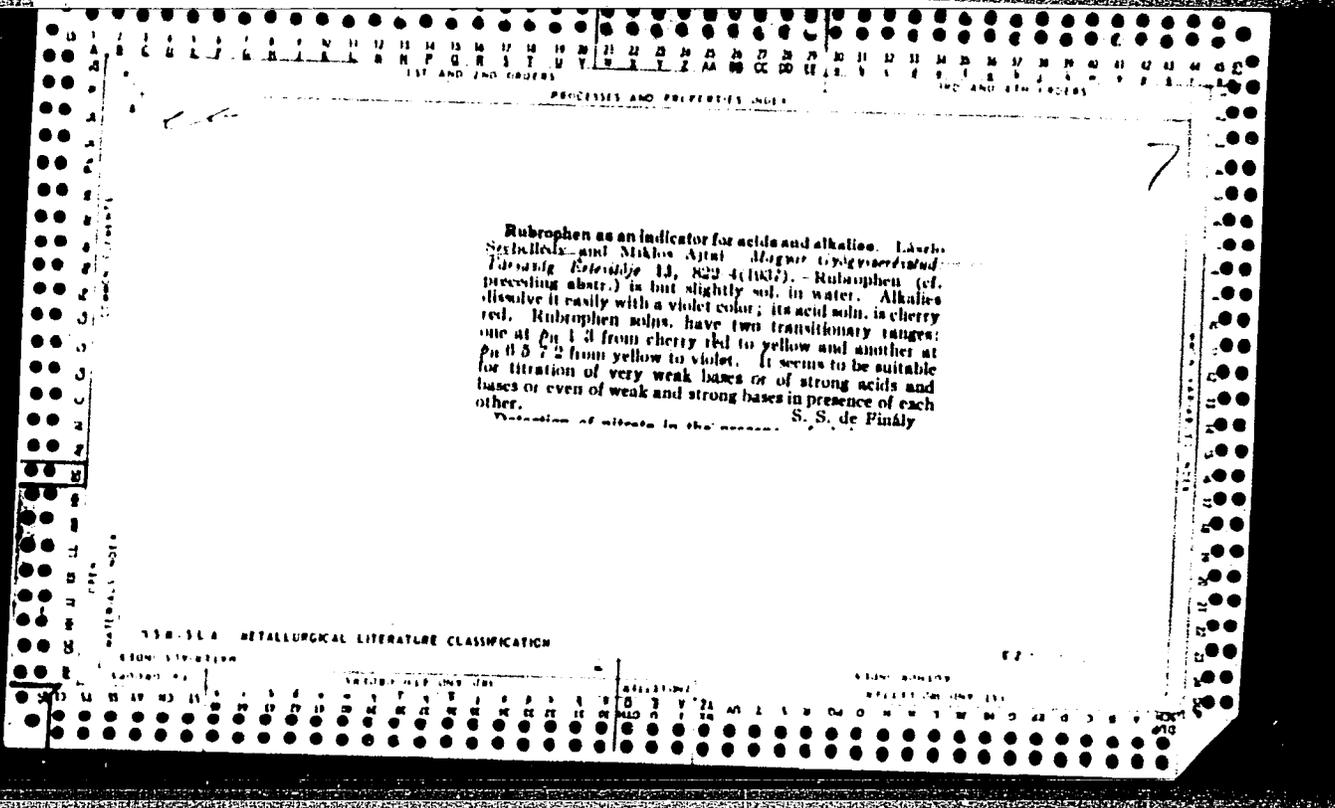
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**Detection of ferro- and ferri-cyanide by catalysis.** L. SARGENT and M. AJTAI (Mikrochim. Acta, 1938, 2, 299—303).—The fact that the oxidation of *p*-phenetidine (I) by  $H_2O_2$  is catalysed by  $Fe(CN)_6^{4-}$  [or  $Fe(CN)_6^{3-} + H_2O_2$ ] can be utilised for the detection of  $Fe(CN)_6^{3-}$  and  $Fe(CN)_6^{4-}$ . 4 c.c. of the sample are treated with 0.5 c.c. of 0.025% solution of (I) in HCl and 0.5 c.c. of 0.2%  $H_2O_2$ , the colour produced after 1–10 min. being compared with that in a blank test carried out simultaneously.

J. W. S.

ASAC 114 METALLURGICAL LITERATURE CLASSIFICATION



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11-1

**Detection of iron by catalysis. L. SKEBELLÁDY and M. AJTAI (Mikrochim. Acta, 1938, 3, 21-23).—**  
 The catalytic acceleration of the reaction between  $H_2O_2$  and *p*-phenetidine by the  $Fe^{II}$  dipyriddy complex forms the basis of a drop reaction for Fe. 0.1 c.c. of 0.01%  $p-NH_2C_6H_4OEt.HCl$ , one drop of 2% EtOH solution of 2:2'-dipyridyl, and 0.1 c.c. of 0.2%  $H_2O_2$  are added to a drop of the neutral Fe solution. In presence of Fe the solution is coloured red either immediately or after heating on the  $H_2O$ -bath for 1-5 min., while a "blank" remains colourless or

ASB-15A METALLURGICAL LITERATURE CLASSIFICATION

TECHNICAL SUBJECTS INDEX

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Fluorescence of sodium alizarinsulfonate. László Székely and Károly Sik. *Magyar Gyógyszerészet. Társlapok Füzetűje* 14, 383-6(1938).—Na alizarinsulfonate (0.1% aq. soln.) shows under filter-d ultraviolet light a light-yellow fluorescence in acid solns. bright reddish in solns. of  $pH = 8.0$  or over. The visibility limit of the fluorescence in 5 cc. alk. soln. is 50  $\gamma$ . Other salts do not disturb the reaction, excepting nitrites. The reagent is suitable as a fluorescence indicator in brown solns.; unsuitable, in yellow or blue solns. S. S. de Pinály

ASB 514 METALLURGICAL LITERATURE CLASSIFICATION



